

# INFECT DISEASE AND HOST DEF-MD (IHD)

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## **IHD 120 Infectious Disease & Host Defe 8 cr**

The Infectious Disease and Host Defense Module covers the basic concepts involved in infectious disease and the immune system that defends the body against infection. The module will focus on fundamental knowledge regarding the normal development, structure and function of the immune system, how this system interfaces with infectious agents and how defects in this system cause health problems such as immunodeficiency, allergy, autoimmunity and infection. Thus, the module will equip students to understand the cellular and molecular mechanisms underlying each disorder and will develop their ability to deliver appropriate patient care through proper diagnosis, treatment, management and prevention of these diseases. Throughout the module, students will engage in lectures, active learning sessions, independent study and clinical experiences. These activities will provide students with opportunities to strengthen communication skills, observe and participate in systems-based practice and exercise practice-based learning techniques in a variety of settings that require and foster professional behavior and personal integrity.

## **IHD 140 Infectious Disease & Immunolog 8 cr**

The Infectious Disease & Immunology Module covers the immune system that defends the body against infection. Both of these systems affect all organ systems and are critical for human health. The module will focus on fundamental knowledge regarding the normal development, structure and function of the hematologic and immune systems, how these systems interface with infectious agents and how defects in these systems cause health problems such as cancer, immunodeficiency, allergy, autoimmunity and infection. Thus, the module will equip students to understand the cellular and molecular mechanisms underlying each disorder and will develop their ability to deliver appropriate patient care through proper diagnosis, treatment, management and prevention of these diseases. Throughout the module, students will engage in lectures, small-group learning sessions, independent study and clinical experiences. These activities will provide students with opportunities to strengthen communication skills, observe and participate in systems-based practice and exercise practice-based learning techniques in a variety of settings that require and foster professional behavior and personal integrity.